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ACCESSION NUMBER: 111:175472 HCA
TITLE: Unsaturated polyester compositions for lining of
reinforced plastic pipes
INVENTOR(S): Masuda, Shunji; Sato, Shigeji; Izumi, Hirofumi
PATENT ASSIGNEE(S): Hitachi Chemical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
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PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	JP 01062322	A2	19890308	JP 1987-219958	19870902
AB	The title compns., resistant to corrosion and impact, contain 40-75 parts unsatd. polyesters [no.-av. mol. wt. (Mn) 2000-4000] prepd. form 10-30% .alpha.,.beta.-unsatd. dibasic acids and 15-50% unsatd. fatty acid oligomer, polyalkylene glycol (Mn 700-2000), or polyoxyalkylated bisphenol A (Mn 450-1000) and 60-25 parts monomers. A polyester (I) (acid no. 16, Mn 2870) was prepd. from isophthalic acid 2.97, adipic acid 2.09, Versadyme 216 (dimer acid) 6.0, 1,3-butanediol 6.76, and maleic anhydride 2.80 kg. A glass fiber-reinforced unsatd. polyester pipe (diam. 800 mm) was lined with 2 mm mixt. of I 66, styrene 34, MEK peroxide 1, and Co naphthenate 0.5 part and cured. The pipe showed 168 mm bending with cracking and delamination at external pressure 2380 kg/m and -10.degree. (JIS A 5350) and had satisfactory chem. resistance (JSWAS K-2).				